Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 – 4. (Canceled)

5. (Currently amended) A method for integrating applications hosted at different enterprises separated by at least one firewall, the method comprising steps of:

receiving at an agent acting as a spoke in a hub and spoke integration system, ~~data~~ a from a source application program;

encoding the data according to a message queuing protocol to provide an MQ message;

encrypting the MQ message using Hyper-Text Transport Protocol Secure (HTTPS) to provide an encrypted MQ message; and

transmitting, via the Internet using HTTP, and MQSeries Internet Passthrough, and through the firewalls at each end of the Internet, the encrypted MQ message to a server, acting as a hub in another hub and spoke integration system; running a destination application program for processing of the data.

8. (Original)The method of claim 5 further comprising maintaining a record of the messages received from the source application program.

9. (Original) The method of claim 8 wherein the record of the messages received from the source application program comprises information on the number of messages received.

10. (Previously presented) The method of claim 8 wherein the record of the messages received from the source application program comprises information on type of messages received.

11-17 (canceled)

18. (Currently amended) A method for transmitting high-level data in real time to one or more enterprises, the method comprising:

receiving via the Internet and through firewalls, at an agent acting as a spoke in a hub and spoke integration system, from an application, a message comprising high level business data from a source application and a request to process the data by a server acting as a hub in another hub and spoke integration system, running;

converting the message into an MQ message using a message queuing protocol located at an agent used as a spoke;

encrypting the MQ message using a Hyper-Text Transport Protocol Secure (HTTPS) security protocol to provide a secure MQ message; and

transmitting, via the Internet using HTTP, and MQSeries Internet Passthrough, and through the firewalls at each end of the Internet, the encrypted MQ message to a first queue manager for retransmission at a time when the network is suitable for transporting the message to the server.

19. (Previously presented) The method of claim 18, wherein the high-level data comprises customer information.

20-22. (Canceled)

23. (New) A system for integrating applications in different enterprises separated by at least one firewall, the system comprising:

an agent used as a spoke in a hub and spoke integration system, the agent configured for receiving high level business data from a source application;

an encryption engine using Hyper-Text Transport Protocol Secure (HTTPS) for encrypting the high level business data to produce encrypted business data;

a queue manager for receiving the encrypted high level business data and for storing the high level business data for delivery to a target server; and

an output for transmitting, via the Internet using HTTP, and MQSeries Internet Passthrough, the encrypted high level business data to the server acting as a hub in another hub and spoke integration system; and running the target application, wherein the system and the target server are separated by the at least one firewall.

24. (New) The system of claim 23, further comprising a protocol for telling a sender to stop sending messages so that it can perform the bookkeeping functions.

25. (New) The system of claim 23, wherein the encryption engine comprises a secure sockets layer protocol.

26. (New) A computer readable storage medium comprising code that, when executed, causes a computer to:

receiving at an agent acting as a spoke in a hub and spoke integration system, ~~data~~ a from a source application program;

encoding the data according to a message queuing protocol to provide an MQ message;

encrypting the MQ message using Hyper-Text Transport Protocol Secure (HTTPS) to provide an encrypted MQ message; and

transmitting, via the Internet using HTTP, and MQSeries Internet Passthrough, and through the firewalls at each end of the Internet, the encrypted MQ message to a server, acting as

a hub in another hub and spoke integration system; running a destination application program for processing of the data.

27. (New) The computer readable storage medium of claim 26 further comprising an instruction for storing the encrypted MQ message in a queue manager prior to transmitting the encrypted MQ message.

28. (New) The computer readable storage medium of claim 26 further comprising an instruction for sending a message to the source application program instructing the source application program to stop sending data.

29. (New) The computer readable storage medium of claim 26 further comprising an instruction for maintaining a record of the messages received from the source application program.

30. (New) The computer readable storage medium of claim 30 wherein the record of the messages received from the source application program comprises information on the number of messages received.